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EXAMINER

PHAN, TAM T

ART UNIT	PAPER NUMBER
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2142

DATE MAILED: 11/17/2003

3

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/620,615

Applicant(s)

TEAGUE, TOMMY KAY

Examiner

Tam (Jenny) Phan

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 November 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☒ Claim(s) 1 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07/12/2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

Priority

1. No priority claims have been made.
2. The effective filing date for the subject matter defined in the pending claims in this application is 07/21/2000.

Drawings

3. This application has been filed with informal drawings, which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.

Claim Objections

4. Claim 1 is objected to because of the following informalities: "selection mans" at line 16 should read "selection means". Appropriate correction is required.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-6 and 9-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chao (U.S. Patent Number 6,304,872) in view of SEARCH'97 Information Server Manual (<http://www.ojp.usdoj.gov/search97/doc/user/istoc.htm>, Copyright 1998, Verity, Inc.), hereinafter referred to as the Search Manual.

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7. Regarding claim 1, Chao disclosed a system for searching the web for targeted Websites and downloading the targeted document files to a user-terminal for a topic search (Title, Abstract) comprising:

(a) terminal server means for searching the Internet on targeted Websites (Abstract, Figures 3-4, column 1 lines 43-62);

(b) user-terminal means to download said targeted Websites as document files to a user terminal means (Figure 1, column 4 lines 52-55);

(c) means for converting said document files into a common format (column 5 lines 17-18);

(d) search means for searching said downloaded common format document files for a designated topic (column 5 lines 21-24);

8. Chao did not specifically disclose opening means to view those document files indicated as a hit and selection means to enable viewing of each said common-format downloaded pages holding the designated topic which was indicated as a hit. However, in an analogous art, the Search Manual disclosed opening means to view those document files indicated as a hit (Search Forms and Templates page 2 line paragraph 7) and selection means to enable viewing of each said common-format downloaded pages holding the designated topic which was indicated as a hit (Search Forms and Templates page 2 line paragraph 4).

9. It would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the system of Chao with the teaching of the Search Manual in order to locate the desired web pages (Chao; column 3 lines 50-52) and display the document in the Web browser so the user can view or print it (The Search Manual; Search Forms and Templates page 2 paragraph 7).

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10. Regarding claim 2, Chao disclosed a system which includes means to link said downloaded page to a copy of the downloaded originally formatted page holding the selected search topic (column 3 lines 45-53). The Search Manual also disclosed this limitation in "Search Forms and Templates" (page 2 line paragraph 4).

11. Regarding claim 3, the Search Manual disclosed a system wherein said terminal server means includes verity search engine means for targeting a selected Website on the Internet (Information Server Architecture, page 1 paragraphs 1-4).

12. Regarding claim 4, Chao disclosed a system wherein said search means, for searching said downloaded document files, include means to convert said downloaded document files to a common format (column 5 lines 17-18); means to search said downloaded document files in their common format for a selected topic (column 4 lines 52-55).

13. Regarding claim 5, Chao disclosed a system which includes means for selecting pages having hits for viewing by a user (column 3 lines 45-54). The Search Manual also this limitation in its teaching (Search Forms and Templates page 2 line paragraph 4).

14. Regarding claim 6, the Search Manual disclosed a system which includes means for utilizing a "next hit" or -previous hit" button to view new listed hit pages on the selected topic (Introduction to Information Server page 1, Document Results page 1).

15. Regarding claim 9, Chao disclosed a system which includes linking means for viewing the original page of a selected topic which correlates to the selected topic page in said common format (column 3 lines 45-53). The Search manual also disclosed this limitation in its teachings (Search Forms and Templates page 2 line paragraph 4, Document Results page 1).

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16. Regarding claim 10, the system for accessing multiple formatted document files of claim 10 corresponds to the limitations of claims 1-6 and 9, and thus is rejected using the same rationale.

17. Regarding claim 10, the method of claim 11 corresponds to the limitations of claims 1-6 and 9, and thus is rejected using the same rationale.

18. Since all the limitations of the claimed invention were disclosed by the combination of Chao and the Search Manual, claims 1-6 and 9-11 are rejected.

19. Claims 7-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chao (U.S. Patent Number 6,304,872) in view of SEARCH'97 Information Server Manual (<http://www.ojp.usdoj.gov/search97/doc/user/istoc.htm> Copyright 1998, Verity, Inc.), hereinafter referred to as the Search Manual, and further in view of the Electronic Publishing Guide (<http://www.lcschools.org/atatc/departs/graphics/course/lessons/1A/Electronic%20Publishing.pdf> Copyright 1996 Adobe Systems, Inc.).

20. Regarding claim 7, Chao disclosed a system for searching the web for targeted Websites and downloading the targeted document files to a user-terminal for a topic search (Title, Abstract) comprising: terminal server means for searching the Internet on targeted Websites (Abstract, Figures 3-4, column 1 lines 43-62); (b) user-terminal means to download said targeted Websites as document files to a user terminal means (Figure 1, column 4 lines 52-55); means for converting said document files into a common format (column 5 lines 17-18); search means for searching said downloaded common format document files for a designated topic (column 5 lines 21-24). The Search Manual disclosed opening means to view those document files

indicated as a hit (Search Forms and Templates page 2 line paragraph 7) and selection means to enable viewing of each said common-format downloaded pages holding the designated topic which was indicated as a hit (Search Forms and Templates page 2 line paragraph 4).

21. Chao and the Search Manual taught the invention substantially as claimed. However, the combination of Chao and the Search Manual did not disclose a system wherein said means for converting downloaded document files to a common format includes auxiliary utility program means for enabling conversions of multiple file formats to a common Portable Document Format (PDF). The Search Manual suggested exploration of art on Adobe Acrobat PDF document format (Information Sever Architecture page 2 paragraph 2) to modify Chao with the teachings of the Electronic Publish Guide. The Electronic Publish Guide disclosed auxiliary utility program means for enabling conversions of multiple file formats to a common Portable Document Format (PDF). (Converting Documents to PDF slides 63-67).

22. It would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the combined systems of Chao and the Search Manual with the teachings of the Electronic Publish Guide in order to save memory (Chao column 2 lines 22-23) since PDF supports compressed text and graphics so a PDF page may use less disk space than an HTML equivalent (Electronic Publish Guide; Converting Between PDF and HTML slide 67). In addition, users can search PDF document quickly using Acrobat Catalog and Search (Electronic Publish Guide; Converting Between PDF and HTML slide 67).

23. Regarding claim 8, the Electronic Publish Guide disclosed a system wherein said search means for searching said downloaded document files includes Adobe Acrobat program means for searching said common format PDF files for a selected topic (Searching for PDF Files slide

79) and the Search Manual disclosed means for generating a list of hits (Document Results page 1).

24. Regarding claim 9, the Electronic Publish Guide disclosed a system which includes linking means for viewing the original page of a selected topic which correlates to the selected topic page in said common format (Adding Links and Cross-References slide 29).

25. Since all the limitations of the claimed invention were disclosed by the combination of Chao, the Search Manual, and the Electronic Publish Guide, claims 7-9 are rejected.

26. Claims 1-2 and 4-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Finseth et al. (U.S. Patent Number 6,271,840), hereinafter referred to as Finseth in view of what would have been obvious to one of ordinary skill in the art at the time of the invention was made, exemplified by Applicant Admitted Prior Art (AAPA).

27. Regarding claim 1, Finseth disclosed a system for searching the web for targeted Websites and downloading the targeted document files to a user-terminal for a topic search (Abstract) comprising:

(a) terminal server means for searching the Internet on targeted Websites (Abstract, Figure 3, column 4 lines 25-39);

(b) user-terminal means to download said targeted Websites as document files to a user terminal means (Figures 3-4, column 2 lines 36-48, column 5 lines 31-52);

(c) means for converting said document files into a common format (Figures 2-3 and 7, column 5 lines 36-52, lines 61-67, column 6 lines 1-9);

(e) opening means to view those document files indicated as a hit (Figures 5-8, column 6 lines 54-61, column 7 lines 51-53);

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(f) selection means to enable viewing of each said common-format downloaded pages holding the designated topic which was indicated as a hit (column 2 lines 57-65, column 6 lines 54-61).

28. Finseth did not expressly disclose search means for searching said downloaded common format document files for a designated topic. However, AAPA disclosed there is software designated as "search engines" that exist in the digital technology in order to search files that were distributed to users who download from the Web (Page 2 lines 23-26, page 4 lines 5-20). In other words, search means for searching said downloaded common format document files for a designated topic were well known at the time of the invention (Page 2 lines 23-26, page 4 lines 5-20).

29. It would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the system of Finseth with well known functionality described in AAPA to include search capability for the downloaded common format document files in order to quickly filter through the vast information available (Finseth, column 2 lines 16-19) since standard searches were considered a brute force and very slow process of operation (AAPA, page 3 lines 34-36).

30. Regarding claim 2, Finseth disclosed a system which includes means to link said downloaded page to a copy of the downloaded originally formatted page holding the selected search topic (Figures 5-8, column 2 lines 36-48, column 6 lines 54-61).

31. Regarding claim 4, Finseth disclosed a system wherein said search means, for searching said downloaded document files, includes means to convert said downloaded document files to a common format (Figures 2-3 and 7, column 5 lines 36-52, lines 61-67, column 6 lines 1-9);

means to search said downloaded document files in their common format for a selected topic (Page 2 lines 23-26, page 4 lines 5-20).

32. Regarding claim 5, Finseth disclosed a system which includes means for selecting pages having hits for viewing by a user (Figures 5-8, column 2 lines 57-65, column 6 lines 54-61).

AARP also disclosed this limitation (Page 4 lines 1-20).

33. Regarding claim 6, AAPA disclosed a system which includes means for utilizing a "Find Next" ["next hit"] or "previous hit" button to view new listed hit pages on the selected topic (Page 4 lines 31-34).

34. Regarding claim 7, Finseth and AAPA combined disclose a system wherein said means for converting downloaded document files to a common format includes auxiliary utility program means for enabling conversions of multiple file formats to a common Portable Document Format (PDF) (Finseth; Figures 2-3 and 7, column 5 lines 36-52, lines 61-67, column 6 lines 1-9; AAPA; page 2 lines 7-15).

35. Regarding claim 8, AAPA disclosed a system wherein said search means for searching said downloaded document files includes Adobe Acrobat program means for searching said common format PDF files for a selected topic and generating a list of hits (Page 2 lines 7-15, page 4 lines 9-12).

36. Regarding claim 9, Finseth disclosed a system which includes linking means for viewing the original page of a selected topic which correlates to the selected topic page in said common format (column 6 lines 54-61). AAPA also disclosed this limitation (Page 4 lines 36, page 5 lines 1-4).

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37. Regarding claim 10, Finseth disclosed a system for accessing multiple formatted document files from the World Wide Web for subsequent topic searching and viewing the hits (Abstract) comprising:

- (a) terminal server means for searching targeted websites and downloading selected hits of target documents (Abstract, Figure 3, column 4 lines 25-39);
- (b) conversion means to convert said downloaded hit document files to a common format (Figures 2-3 and 7, column 5 lines 36-52, lines 61-67, column 6 lines 1-9);
- (d) means for utilizing those common formatted document hit pages for viewing by a user (Figures 5-8, column 6 lines 54-61, column 7 lines 51-53);
- (e) means for linking said common format hit pages to the original hit pages for viewing by a user (Figures 5-8, column 2 lines 36-48, column 6 lines 54-61).

38. AAPA disclosed (c) means for searching said common format downloaded hit as document files for a selected topic (Page 2 lines 23-26, page 4 lines 5-20).

39. Regarding claim 11, Finseth disclosed a method for searching and viewing selected topic pages of variously formatted document files downloaded from the Web, comprising the steps of:

- (a) searching the World Wide Web for selected Websites (Abstract);
- (b) downloading said selected Websites which represent hits to access multiple document files which occur in many different formats (Abstract, Figure 3, column 4 lines 25-39);
- (c) converting each of said multiple document files to a common format (Figures 2-3 and 7, column 5 lines 36-52, lines 61-67, column 6 lines 1-9);
- (e) displaying for view, each page of said commonly formatted document files having hits (Figures 5-8, column 6 lines 54-61, column 7 lines 51-53);
- (f) linking each commonly formatted page of document hits to the corresponding original document for viewing the pages of said original document (Figures 5-8, column 2 lines 36-48, column 6 lines 54-61).

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40. AAPA disclosed a step of (d) searching said common format document files with a compatible search engine to provide a directory of document files which have hits (Page 2 lines 23-26, page 4 lines 5-20).

41. Since all the limitations of the claimed invention were disclosed by the combination of Finseth and well-known subject matters, claims 1-2 and 4-11 are rejected.

42. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Finseth et al. (U.S. Patent Number 6,271,840), hereinafter referred to as Finseth in view of Applicant Admitted Prior Art (AAPA), and further in view of Angelucci et al. (U.S. Patent Number 6,185,573) hereinafter referred to as Angelucci.

43. Finseth disclosed a system for searching the web for targeted Websites and downloading the targeted document files to a user-terminal for a topic search (Abstract) comprising: terminal server means for searching the Internet on targeted Websites (Abstract, Figure 3, column 4 lines 25-39); user-terminal means to download said targeted Websites as document files to a user terminal means (Figures 3-4, column 2 lines 36-48, column 5 lines 31-52); means for converting said document files into a common format (Figures 2-3 and 7, column 5 lines 36-52, lines 61-67, column 6 lines 1-9); opening means to view those document files indicated as a hit (Figures 5-8, column 6 lines 54-61, column 7 lines 51-53); selection means to enable viewing of each said common-format downloaded pages holding the designated topic which was indicated as a hit (column 2 lines 57-65, column 6 lines 54-61). AAPA disclosed search means for searching said downloaded common format document files for a designated topic (Page 2 lines 23-26, page 4 lines 5-20).

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44. Finseth and AAPA taught the invention substantially as claimed. However, the combination of Finseth and AAPA did not disclose a system wherein said terminal server means includes verity search engine means for targeting a selected Website on the Internet. However, in an analogous art, Angelucci disclosed a system wherein said terminal server means includes verity search engine means for targeting a selected Website on the Internet (column 5 lines 4-17, lines 33-46).

45. It would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the combined systems of Finseth and AAPA with the teachings of Angelucci to use Verity search capability in order to supports a full text query or a query by example (Angelucci, column 5 lines 33-34) since the Verity query language supported this standard (Angelucci, column 5 lines 33-46) and the Verity Information Server architecture allows seamless communication with the central server (Angelucci, column 5 lines 10-17).

46. Since all the limitations of the claimed invention were disclosed by the combination of Finseth, well-known subject matter, and Angelucci, claim 3 is rejected.

Conclusion

47. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Refer to the enclosed PTO-892 for listing.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tam (Jenny) Phan whose telephone number is (703) 305-4665. The examiner can normally be reached on M-F 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on 703-308-5221. The fax phone numbers for the

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organization where this application or proceeding is assigned are (703) 746-7239 for regular communications and (703) 746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Marc Thompson
Primary Examiner
Art Unit 2142
703-308-6750

tp
November 6, 2003

MARC D. THOMPSON
MARC THOMPSON
PRIMARY EXAMINER